

# SYSTEM AND METHOD FOR MONITORING AUTONOMIC BALANCE AND PHYSICAL ACTIVITY

## Abstract

5           An implantable device monitors the balance between sympathetic tone and  
parasympathetic tone as a function of an activity level. Cardio-neurological healthy  
users exhibit a generally sympathetic tone in conjunction with heavy activity level and a  
generally parasympathetic tone in conjunction with periods of low activity level.  
Deviations from expected results are associated with a health problem. Measured  
10       conditions are stored and available for subsequent reporting to a remote programmer.  
Therapy delivered by an implantable device is determined as a function of the  
relationship between autonomic balance and activity level.

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